

Listing of Claims

1. (Currently Amended) An organic EL display panel comprising:

a sealant;

an emitting cell comprising an anode strip, a supplement electrode, an organic EL layer, and a cathode strip;

a bulkhead for insulating the cathode strip and an adjacent cathode strip ~~the emitting cell from the cathode strip~~; and

at least one supplement bulkhead coupled to at least one side portion other than an end portion of the bulkhead, wherein the supplement bulkhead is coupled at one side to a lateral face of the bulkhead at a location ~~at least one side portion~~ other than said end portion of the bulkhead and is connected at another side with another supplement bulkhead, that is coupled to a lateral face of an adjacent bulkhead, the connection between the supplement bulkhead and said another supplement bulkhead separating the sealant from permeating into the emitting cell.

2. (Currently Amended) The organic EL display panel of claim 1, wherein the supplement bulkhead is provided in an area between the emitting cell and the ~~the~~ [[a]] sealant.

3. (Original) The organic EL display panel of claim 1, wherein the supplement bulkhead forms a predetermined angle with the bulkhead.

4. (Canceled)

5. (Previously Presented) The organic EL display panel of claim 1, further comprising: an insulating film is formed around the organic EL layer from a predetermined area including the sealant and the supplement electrode to a portion of the glass substrate.

6. (Canceled)

7. (Currently Amended) A method of manufacturing an organic EL display panel having a plurality of emitting cells, comprising:

forming an anode strip and a supplement electrode in a smaller width than the an anode strip;

forming an insulating film;

forming a bulkhead and at least one supplement bulkhead coupled to at least one side portion other than an end portion of the bulkhead;

forming an organic EL layer and a cathode strip; and

adhering a seal-cover and a glass substrate by using a sealant, wherein the supplement bulkhead is coupled at one side to a lateral face of the bulkhead at a location at least one side portion other than said end portion of the bulkhead and is connected at another side with another supplement bulkhead, that is coupled to a lateral face of an adjacent bulkhead.

8. (Previously Presented) The method of claim 7, further comprising:

forming a short anode strip which is shorter than the anode strip between the bulkhead and at least one other bulkhead.

9. (Currently Amended) The method of claim 7, wherein the insulating film is formed around the organic EL layer from a predetermined area including a the sealant and the supplement electrode to a portion of the glass substrate.

10. (Previously Presented) The method of claim 7, wherein the bulkhead and the supplement bulkhead are formed at the same time.

11. (Currently Amended) An organic EL display panel having a plurality of emitting cells comprising:

a plurality of bulkheads for insulating the plurality of emitting cells; and

a supplemental bulkhead for connecting adjacent bulkheads and preventing a sealant from permeating into at least one of the emitting cells, wherein the supplemental bulkhead is coupled to at least one side portion other than an end portion of the bulkhead, wherein the supplement bulkhead is coupled at one side to a lateral face of the bulkhead at a location at least one side portion other than said end portion of the bulkhead and is connected at another side with another supplement bulkhead, that is coupled to a lateral face of an adjacent bulkhead.

12. (Currently Amended) The organic EL display panel of claim 11, wherein the supplemental bulkhead is located in a region between adjacent bulkheads and a region between the emitting cells and a ~~the~~ sealant.

13. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead is formed perpendicular to at least one of the adjacent bulkheads.

14. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead includes three segments.

15. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment perpendicular to and connected with at least one of the bulkheads;

a second supplemental bulkhead segment parallel to said one of the bulkheads and connected with the first supplemental bulkhead segment; and

a third supplemental bulkhead segment perpendicular to said one of the bulkheads and connected with the second supplemental bulkhead segment.

16. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment formed at a first predetermined angle with and connected to at least one of the bulkheads;

a second supplemental bulkhead segment parallel to said at least one of the bulkheads and connected with the first supplemental bulkhead segment; and

a third supplemental bulkhead segment formed at a second predetermined angle with said at least one of the bulkheads and connected with the second supplemental bulkhead segment.

17. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment curved to and connected with at least one of the bulkheads;

a second supplemental bulkhead segment parallel to said at least one of the bulkheads and connected with the first supplemental bulkhead segment; and

a third supplemental bulkhead segment curved to said at least one of the bulkheads and connected with the second supplemental bulkhead segment.

18. (Currently Amended) A method of manufacturing an organic EL display panel having a plurality of emitting cells, comprising:

forming a plurality of anode strips on a substrate;

forming an insulating film in a region other than an emitting cell region;

forming a plurality of bulkheads on the insulating film and a supplemental bulkhead connecting adjacent ones of the bulkheads; and

forming an organic EL layer and a cathode strip in the emitting cell region, wherein the supplemental bulkhead is coupled at one side to a lateral face of one of the bulkheads at a location at least one side portion other than said end portion of said one of the bulkheads, wherein the supplemental bulkhead and is coupled at another side to at least one side portion other than said end portion of the bulkhead ~~is connected~~ with another supplemental bulkhead that is coupled to a lateral face of an adjacent bulkhead, so as to prevent a sealant from permeating into the emitting cell.

19. (Previously Presented) The method of claim 18, wherein the plurality of bulkheads and the supplemental bulkhead are formed at a same time.

20. (Previously Presented) An organic EL display panel comprising:

a plurality of emitting cells formed on an emitting region of a substrate;

a sealant formed in a region other than the emitting region; and

a supplemental bulkhead angled between the emitting cell and the sealant, so as to prevent a sealant from permeating into the emitting cell.

21. (Previously Presented) An organic EL display panel comprising:

a plurality of emitting cells formed on an emitting region of a substrate;

a sealant formed in a region other than the emitting region; and

a supplemental bulkhead formed apart from the sealant and surrounding the emitting region, so as to prevent a sealant from permeating into the emitting cell.

22. (Previously Presented) The organic EL display panel of claim 1, wherein the at least one supplemental bulkhead is coupled to two bulkheads.

23. (Previously Presented) The method of claim 7, wherein the at least one supplemental bulkhead is coupled to two bulkheads.

24. (New) The organic EL display panel of claim 20, further comprising:

a first bulkhead,

wherein the supplemental bulkhead is coupled to the first bulkhead at an angle substantially different from a 90° angle and at a location different from an end of the first bulkhead.

25. (New) The organic EL display panel of claim 24, wherein the supplemental bulkhead is coupled to another supplemental bulkhead, said another supplemental bulkhead coupled to a second bulkhead adjacent the first bulkhead at a location different from an end of the second bulkhead.